Actiontec™

Model Number:
R1524SU

Wireless-Ready
DSL Gateway

The *Action*tec Wireless-Ready DSL Gateway offers Local Exchange Carriers and Internet Service Providers a comprehensive and expandable DSL Gateway solution. It features a full-rate ADSL modem integrated with a 4-port 10/100 Mbps Ethernet switch to provide the end user with a simple and nearly instant broadband home network.

The Gateway is capable of speeds up to 8 Mbps downstream and 1 Mbps upstream. It has been tested with all major DSLAMs, each with multiple line cards and is compliant with all major ADSL standards, including T1.413i2 and G.dmt. The *Action*tec Wireless-Ready DSL Gateway has been carefully designed to maximize performance and compatibility at all loop lengths.**

The integrated 4-port Ethernet switch allows users to share files and resources at speeds up to 100 Mbps. The advanced built-in router supports a variety of networking protocols and provides easy configuration, maximum security and full network compatibility. The Gateway also features a firewall, Internet service blocking, Web site blocking and full logging support.

The *Action*tec Wireless-Ready DSL Gateway is upgradeable via two open PC card slots. One slot accepts an 802.11b wireless card that provides full access point services to computers on the wireless network. The second slot will support a variety of PC Cards to extend the networking functionality of the Gateway.*

DSL and network configuration are handled through a browser-based wizard that walks the end user through the simple process step-by-step. This Gateway also features the *Action*tec Installation Buddy™ software designed to easily guide the end user through installation and setup of their network. This helps to eliminate many technical support calls and problems in the field. The *Action*tec Wireless-Ready DSL Gateway is compatible with any computer built with a RJ-45 Ethernet or USB (PC only) port and Web browser. Setup is further simplified through color-coded Ethernet and USB cables and connectors.

Features

- Full-rate ADSL Modem
  Supports speeds up to 8 Mbps downstream,1 Mbps upstream**
- T1.413i2 and G.dmt Compliant
  Supports full range of ADSL standards at up to 18,000 feet ***
- Exceeds DSL Forum Performance Specifications
- Compatible With All Major DSLAMs
- LAN: Available as a 4-Port 10/100 Mbps Auto Sensing Ethernet Switch
- USB LAN Port
- 2 PC Card Slots for Expansion (i.e., 802.11b wireless (64/128 bit WEP)
- Advanced Security
  Firewall, using Stateful Packet Inspection, Website & Web Service Blocking, Internet traffic logging, wireless MAC Address Authentication
- Advanced Network Services
  PPPoE (client), DNS (client), TFTP (client/server), DHCP (client/server), and NAT
- Other Features include:
  - WAN IP Address Selection
  - Unnumbered Mode & VIP Mode Support
  - LAN IP Address Selection (Configurable LAN Subnet Mask)
  - DHCP Server Option
  - NAT Services Blocking
  - VPN Pass Through***
  - Remote Management
  - Port Fowarding
  - DMZ Hosting
  - Mac Address Cloning
  - Static & Dynamic (RIP V1, V2) Routing

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Actiontec™

Broadband Technology Made Easy

Wireless-Ready DSL Gateway

Minimum System Requirements

- PC or Macintosh with Ethernet network adapter or USB (PC only)
- Microsoft Windows:98SE / ME / NT / 2000 / XP, MacOS 8.01 or higher
  (USB: Windows 98SE, ME, 2000, XP)
- TCP/IP installed
- Internet Explorer 4.0+ or Netscape 4.0+

Package Contents

- Wireless-Ready DSL Gateway
- Power Supply
- Installation Buddy™ CD-ROM
- User's Manual on CD-ROM
- Quick Start Guide
- Ethernet Network Cable (RJ-45)
- USB Cable
- RJ-11 Phone Cable
- Phone Filters are Optional

Specifications

Interface Ports	*Internet (WAN): (1)*ADSL RJ-11, (1) Phone Port with filter *Network (LAN):* 4-Port 10/100 Mbps Auto-sensing Ethernet switch, USB *PC Card*: Two PCMCIA expansion slots Top slot for wireless 802.11b PC Card* Bottom slot for PC Expansion cards exclusively from *Action*tec*
ADSL Features	Embedded full-rate ADSL Modem Compliant with T1.413, G.dmt and G.lite G.dmt full-rate connectivity at up to 8 Mbps downstream, 1 Mbps upstream Up to 18,000 feet loop reach (over standard loops)**
ATM and AAL Support	AAL5 ATM Transmission Convergence (TC) layer Support for full range of PVC settings Hardware SAR
Standards Compliance	ADSL G.dmt (ITU G.992.1, ANSI TI.413) ADSL G.lite (ITU G.992.2) Bridge/Routed RFC 1483 (2684), RFC 2364, RFC 2516 IEEE 802.3 10 Base-T Ethernet IEEE 802.3u 100 Base-Tx Fast Ethernet
VPN Support	PPTP, L2TP, IPSec (all pass-through)***
Setup and Management	Web-based
Optional Router Features	RFC 2516 (PPPoE), 2364 (PPPoA) clients
Protocols Supported	TCP IP, UDP NAT, PAT DHCP (client, server) DNS (client) TFTP (client, server) SMTP, POP3
Visual Indicators	WAN Link, LAN Link/Traffic, PC Card, Power
Maximum Computer Users Supported	253
Compliance Certification	FCC Part 15, FCC Part 68, UL
Limited Warranty	One year

* PC Cards must be from *Action*tec or *Action*tec certified for use with the *Action*tec Wireless-Ready DSL Gateway.

** Actual speeds achieved are a factor of line conditions, distance between the gateway and Central Office, and the configuration of the DSL Network, among other things .

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